

Title (en)
MACHINE AND METHOD FOR THE MEASUREMENT OF DIMENSIONAL PARAMETERS OF CORK STOPPERS

Title (de)
MASCHINE UND VERFAHREN ZUR MESSUNG VON ABMESSUNGSPARAMETERN VON KORKSTOPFEN

Title (fr)
MACHINE ET PROCÉDÉ POUR LA MESURE DE PARAMÈTRES DIMENSIONNELS DE BOUCHONS EN LIÈGE

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Application
EP 18156999 A 20180215

Priority
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Abstract (en)
A machine (1) for measuring the dimensional parameters of stoppers (A) comprises at least one supporting structure (2) for a feeding station (3) which receives the stoppers (A) and sequentially distributes them on to conveyor elements (4) for transferring same according to a predetermined forward feeding direction (5) to a detection unit (6), which has a laser emitter (7) of an optical signal and a respective receiver (8) of the optical signal, the laser emitter (7) and the receiver (8) being controlled by a control processor (9) and facing opposite to the forward feeding direction (5), for the interception by the stoppers (A) of the optical signal and the subsequent measurement of the respective dimensional parameters.

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Citation (search report)
• [XYI] WO 2016032060 A1 20160303 - P&S TECHNOLOGY CO LTD [KR]
• [Y] FR 2816296 A1 20020510 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
• [Y] DE 102014112969 A1 20150319 - STEINFURTH MESS SYSTEME GMBH [DE]
• [XI] US 2011064266 A1 20110317 - ZECH THOMAS [DE]
• [XI] WO 2011058500 A1 20110519 - SACMI [IT], et al

Cited by
CN110721914A; CN112777286A; CN118527358A; DE102019101207A1; CN114739296A; DE102019101207B4; US11820035B2; EP3873715B1

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